

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (Canceled)

Claim 7 (Withdrawn/Previously Amended) An isolated DNA molecule that comprises an isolated DNA sequence encoding SEQ ID NO: 2 which is labeled with a detectable moiety.

Claims 8-9 (Canceled)

Claim 10 (Currently Amended) A method for determining the fungal multiple drug resistance (MDR) MDR inhibition activity of a compound which comprises:

a) placing a culture of fungal cells, transformed with a vector ~~capable of expressing atrD~~ which expresses a nucleic acid encoding an atrD protein consisting essentially of the amino acid sequence of SEQ ID NO:2, in the presence of:

(i) an antifungal agent to which said fungal cell is resistant, but to which said fungal cell is sensitive in its untransformed state;

(ii) a compound suspected of possessing *Aspergillus nidulans* MDR inhibition activity; and

b) determining the fungal MDR inhibition activity of said compound by measuring the ability of the antifungal agent to inhibit the growth of said fungal cell.

2 Claim 11 (Original) The A method of Claim 10 wherein the fungal cell is *Saccharomyces cerevisiae*.

Claim 12 (Withdrawn) The protein of SEQ ID No. 2 in purified form.

Claim 13 (Withdrawn) A strain of *A. nidulans* wherein said strain carries a gene disruption or gene replacement at the atrD locus such that said strain does not produce the atrD protein product.

4
11/23/04

Claim 14 (withdrawn) A method for identifying an antifungal compound comprising the steps of:

- a) culturing in the presence of a test compound a strain of claim 13;
- b) culturing said strain in the absence of said test compound; and
- c) comparing the growth of said strain in step (a) with the growth in step (b).

³
Claim 15 (new) The method of claim 10 wherein the culture of fungal cells is transformed with a vector which expresses a nucleic acid encoding an atrD protein of the amino acid sequence of SEQ ID

NO:2.